Input Set: **I495448.RAW**

> This Raw Listing contains the General Information
> Section and up to first 5 pages.

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 2  <120> TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALLING MOLECULES
 3  <130> FILE REFERENCE: 28758/36072
 4  <140> CURRENT APPLICATION NUMBER: US/09/495,448
 5  <141> CURRENT FILING DATE: 2000-01-31
 6  <150> EARLIER APPLICATION NUMBER: 09/142,569
 7  <151> EARLIER FILING DATE: 1999-04-02
 8  <150> EARLIER APPLICATION NUMBER: 60/013,958
 9  <151> EARLIER FILING DATE: 1996-03-15
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24      ctcgccggct tgttggttct gtgtcgccgc gctcgccccg gttcctcctg cgcgccaca  179
25      atg agc tcc agc acc ttc agg acg ctc gct gtc gcc gtc acc ctt ctc   227
26      Met Ser Ser Ser Thr Phe Arg Thr Leu Ala Val Ala Val Thr Leu Leu
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29      His Leu Thr Arg Leu Ala Leu Ser Thr Cys Pro Ala Ala Cys His Cys
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31      cct ctg gag gca ccc aag tgc gcc ccg gga gtc ggg ttg gtc cgg gac   323
32      Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
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37      agc aaa act cag ccc tgc gac cac acc aag ggg ttg gaa tgc aat ttc   419
38      Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
39       65                  70                  75                  80
40      ggc gcc agc tcc acc gct ctg aaa ggg atc tgc aga gct cag tca gaa   467
41      Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
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43      ggc aga ccc tgt gaa tat aac tcc aga atc tac caa aac ggg gaa agc   515
44      Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
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47      Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Asp Gly Ala Val
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49      ggc tgc att cct ctg tgt ccc caa gaa ctg tct ctc ccc aat ctg ggc   611
50      Gly Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu Gly
51                      130                 135                 140
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53      Cys Pro Asn Pro Arg Leu Val Lys Val Ser Gly Gln Cys Cys Glu Glu
54             145                 150                 155                 160
55      tgg gtt tgt gat gaa gac agc att aag gac tcc ctg gac gac cag gat   707
56      Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Ser Leu Asp Asp Gln Asp
57                      165                 170                 175
58      gac ctc ctc gga ctc gat gcc tcg gag gtg gag tta acg aga aac aat   755
59      Asp Leu Leu Gly Leu Asp Ala Ser Glu Val Glu Leu Thr Arg Asn Asn
60                      180                 185                 190
61      gag tta atc gca att gga aaa ggc agc tca ctg aag agg ctt cct gtc   803
62      Glu Leu Ile Ala Ile Gly Lys Gly Ser Ser Leu Lys Arg Leu Pro Val
63                      195                 200                 205
64      ttt ggc acc gaa ccg cga gtt ctt ttc aac cct ctg cac gcc cat ggc   851
65      Phe Gly Thr Glu Pro Arg Val Leu Phe Asn Pro Leu His Ala His Gly
66             210                 215                 220
67      cag aaa tgc atc gtt cag acc acg tct tgg tcc cag tgc tcc aag agc   899
68      Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys Ser Lys Ser
69      225                 230                 235                 240
70      tgc gga act ggc atc tcc aca cga gtt acc aat gac aac cca gag tgc   947
71      Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn Pro Glu Cys
72                      245                 250                 255
73      cgc ctg gtg aaa gag acc cgg atc tgt gaa gtg cgt cct tgt gga caa   995
74      Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro Cys Gly Gln
75                      260                 265                 270
76      cca gtg tac agc agc cta aaa aag ggc aag aaa tgc agc aag acc aag   1043
77      Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser Lys Thr Lys
78                      275                 280                 285
79      aaa tcc cca gaa cca gtc aga ttt act tat gca gga tgc tcc agt gtc   1091
80      Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys Ser Ser Val
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83      Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp Gly Arg Cys
84      305                 310                 315                 320
85      tgc aca cct ctg cag acc aga act gtg aag atg cgg ttc cga tgc gaa   1187
86      Cys Thr Pro Leu Gln Thr Arg Thr Val Lys Met Arg Phe Arg Cys Glu
87                      325                 330                 335
88      gat gga gag atg ttt tcc aag aat gtc atg atg atc cag tcc tgc aaa   1235
89      Asp Gly Glu Met Phe Ser Lys Asn Val Met Met Ile Gln Ser Cys Lys
90             340                 345                 350
91      tgt aac tac aac tgc ccg cat ccc aac gag gca tcg ttc cga ctg tac   1283
92      Cys Asn Tyr Asn Cys Pro His Pro Asn Glu Ala Ser Phe Arg Leu Tyr
93             355                 360                 365
94      agc cta ttc aat gac atc cac aag ttc agg gac taagtgcctc cagggttcct 1336
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 96             370                 375
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108                         20                 25                30
109         Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
110                         35                 40                45
111         Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp Cys
112                 50                 55                 60
113         Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
114          65                 70                 75                80
115         Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
116                         85                 90                 95
117         Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
118                         100                105                110
119         Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Asp Gly Ala Val
120                         115                120                125
121         Gly Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu Gly
122                         130                135                140
123         Cys Pro Asn Pro Arg Leu Val Lys Val Ser Gly Gln Cys Cys Glu Glu
124          145                 150                155                160
125         Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Ser Leu Asp Asp Gln Asp
126                         165                170                175
127         Asp Leu Leu Gly Leu Asp Ala Ser Glu Val Glu Leu Thr Arg Asn Asn
128                         180                185                190
129         Glu Leu Ile Ala Ile Gly Lys Gly Ser Ser Leu Lys Arg Leu Pro Val
130                         195                200                205
131         Phe Gly Thr Glu Pro Arg Val Leu Phe Asn Pro Leu His Ala His Gly
132                         210                215                220
133         Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys Ser Lys Ser
134          225                 230                235                240
135         Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn Pro Glu Cys
136                         245                250                255
137         Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro Cys Gly Gln
138                         260                265                270
139         Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser Lys Thr Lys
140                         275                280                285
141         Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys Ser Ser Val
142                         290                295                300
143         Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp Gly Arg Cys
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/495,448

DATE: 02/23/2000
TIME: 13:12:32

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Input Set: I495448.RAW

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165        aca atg agc tcc cgc atc gcc agg gcg ctc gcc tta gtc gtc acc ctt    168
166            Met Ser Ser Arg Ile Ala Arg Ala Leu Ala Leu Val Val Thr Leu
167             1               5                  10                  15
168        ctc cac ttg acc agg ctg gcg ctc tcc acc tgc ccc gct gcc tgc cac    216
169        Leu His Leu Thr Arg Leu Ala Leu Ser Thr Cys Pro Ala Ala Cys His
170                        20                  25                  30
171        tgc ccc ctg gag gcg ccc aag tgc gcg ccg gga gtc ggg ctg gtc cgg    264
172        Cys Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg
173                        35                  40                  45
174        gac ggc tgc ggc tgc tgt aag gtc tgc gcc aag cag ctc aac gag gac    312
175        Asp Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp
176                        50                  55                  60
177        tgc agc aaa acg cag ccc tgc gac cac acc aag ggg ctg gaa tgc aac    360
178        Cys Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn
179                65                  70                  75
180        ttc ggc gcc agc tcc acc gct ctg aag ggg atc tgc aga gct cag tca    408
181        Phe Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser
182        80                  85                  90                  95
183        gag ggc aga ccc tgt gaa tat aac tcc aga atc tac caa aac ggg gaa    456
184        Glu Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu
185                        100                 105                 110
186        agt ttc cag ccc aac tgt caa cat cag tgc aca tgt att gat ggc gcc    504
187        Ser Phe Gln Pro Asn Cys Gln His Gln Cys Thr Cys Ile Asp Gly Ala
188                        115                 120                 125
189        gtg ggc tgc att cct ctg tgt ccc caa gaa cta tct ctc ccc aac ttg    552
190        Val Gly Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu
191                        130                 135                 140
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198          gac ggc ctc ctt ggc aag gag ctg gga ttc gat gcc tcc gag gtg gag   696
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203                              195                 200                 205
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205          Lys Arg Leu Pro Val Phe Gly Met Glu Pro Arg Ile Leu Tyr Asn Pro
206                              210                 215                 220
207          tta caa ggc cag aaa tgt att gtt caa aca act tca tgg tcc cag tgc   840
208          Leu Gln Gly Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys
209                  225                 230                 235
210          tca aag acc tgt gga act ggt atc tcc aca cga gtt acc aat gac aac   888
211          Ser Lys Thr Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn
212          240                 245                 250                 255
213          cct gag tgc cgc ctt gtg aaa gaa acc cgg att tgt gag gtg cgg cct   936
214          Pro Glu Cys Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro
215                              260                 265                 270
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218                              275                 280                 285
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229          Arg Cys Glu Asp Gly Glu Thr Phe Ser Lys Asn Val Met Met Ile Gln
230                              340                 345                 350
231          tcc tgc aaa tgc aac tac aac tgc ccg cat gcc aat gaa gca gcg ttt   1224
232          Ser Cys Lys Cys Asn Tyr Asn Cys Pro His Ala Asn Glu Ala Ala Phe
233                  355                 360                 365
234          ccc ttc tac agg ctg ttc aat gac att cac aaa ttt agg gac          1266
235          Pro Phe Tyr Arg Leu Phe Asn Asp Ile His Lys Phe Arg Asp
236                  370                 375                 380
237          taaatgctac ctgggtttcc agggcacacc tagacaaaca agggagaaga gtgtcagaat   1326
238          cagaatcatg gagaaaatgg gcggggggtgg tgtgggtgat gggactcatt gtagaaagga   1386
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**VERIFICATION SUMMARY**
PATENT APPLICATION **US/09/495,448**

DATE: 02/23/2000
TIME: 13:12:32

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